

WHAT IS CLAIMED IS:

1. A raster-type display, comprising:
a landing correction coil;
a current source coupled to the landing correction coil and outputting a
5 landing misalignment correction signal thereto; and
at least one sensor generating a control signal, the control signal being sent
to the current source to establish the landing misalignment correction signal at
least partially based thereon, the landing misalignment correction signal being
representative of at least one of: temperature, ambient magnetic field, and
10 pressure.
2. The display of Claim 1, wherein the landing correction coil is disposed at
a location of the display wherein electron beams for respective activation of red, green,
and blue display elements converge
3. The display of Claim 2, wherein the display contains no other landing
15 correction coils apart from the landing correction coil, the landing correction coil also
carrying a speed correction signal.
4. The display of Claim 2, wherein the current source receives a position
signal for establishing an amplitude of the landing misalignment signal at least partially
based on a position of an electron beam of the display.
- 20 5. The display of Claim 4, wherein the control signal is a DC signal.
6. The display of Claim 5, wherein the current source comprises a member
receiving the control signal and converting the control signal to the time varying landing
misalignment correction signal.

7. The display of Claim 6, wherein the member receives a time varying signal from a horizontal drive circuit of the display.

8. The display of Claim 6, wherein the sensor is a pressure sensor and the time varying signal is a sinusoid.

5 9. The display of Claim 1, wherein the sensor is at least one of: a temperature sensor, and a magnetic sensor, and the landing misalignment correction signal is a ramp signal.

10. The display of Claim 2, further comprising a velocity modulation (VM) coil.

10 11. The display of Claim 10, wherein the VM coil and the landing correction coil both receive signals for correcting for electron beam misalignment.

12. A method for correcting for electron beam landing misalignment in a raster-type display, comprising:

15 applying an alignment correction signal to a coil located at a convergence of three beams of the display, the alignment correction signal being established to correct for landing offset of the beams caused by at least one of: temperature effects, magnetic field effects, and pressure effects.

13. The method of Claim 12, wherein the coil is a VM coil carrying a speed correction signal.

20 14. The method of Claim 12, comprising providing:
a current source coupled to the coil and outputting a landing misalignment correction signal thereto; and

at least one sensor generating a control signal, the control signal being sent to the current source to establish the landing misalignment correction signal based at least partially thereon.

15. The method of Claim 12, wherein the display includes a velocity modulation (VM) coil and the method includes applying signals for correcting for electron beam misalignment to the VM coil and the landing correction coil.

16. The method of Claim 12, comprising applying a vertical position signal for establishing an amplitude of the landing misalignment signal at least partially based on a vertical position of an electron beam of the display.

17. The method of Claim 16, wherein the control signal is a DC signal and the current source comprises a switch receiving the control signal and converting the control signal to the time varying landing misalignment correction signal.

18. A raster display, comprising:

single coil means for influencing at least scanning one electron beam for undertaking landing misalignment correction of the beam.

19. The display of Claim 18, further comprising:

a current source means coupled to the single coil means for outputting a landing misalignment correction signal thereto; and

at least one sensing means for generating a control signal, the control signal being sent to the current source means to establish the landing misalignment correction signal at least partially based thereon, the signal being representative of at least one of: temperature, ambient magnetic field, and pressure.

20. The display of Claim 19, wherein the current source means receives a vertical position signal for establishing an amplitude of the landing misalignment signal at least partially based on a vertical position of the scanning electron beam.

21. The display of Claim 19, wherein the control signal is a DC signal.

5 22. The display of Claim 21, wherein the current source means comprises switch means for receiving the control signal and converting the control signal to the landing misalignment correction signal.

23. The display of Claim 19, wherein the switch means receives a time varying signal from a horizontal drive circuit.

10 24. The display of Claim 19, the single coil means also carrying a speed correction signal.